



# Next Generation Terrestrial Air-Ground Datalink



## How 'Bout: “Next Generation Unconstrained Air-Ground Communication System?”

Assumption: 2025 and Beyond

Mission Need Statement: Connectivity that enables seamless  
communications for..

- Mission Accomplishment

- Operational Business

- Corporate Business

- Personal Needs/Desires



# Next Generation Unconstrained Air-Ground Communications



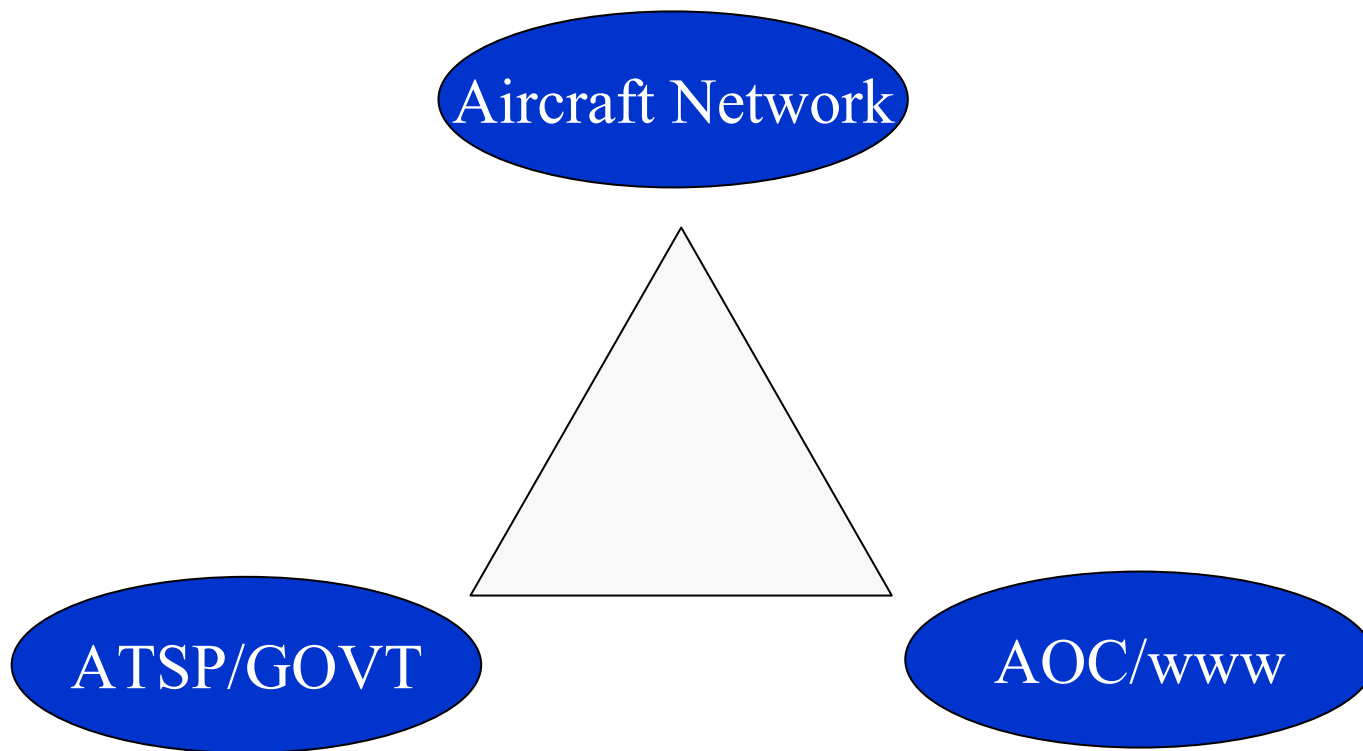
Recommendation:

Maintain close control on economic perspective on research initiatives.

Maybe... *Steering committee (NASA, FAA, User Community, Broader Industry etc) to monitor/recommend research activities for implementation and economic realities.*



# Next Generation Unconstrained Air-Ground Communications



Witchey Communications Triangle



# Next Generation Unconstrained Air-Ground Communication



## Key Research Areas

- CONOPS (Stay Focused)
- Alternates to Frequency Partitioning for Safety
  - RCP
  - Virtual Private Network
- Evolve the Certification Process (\$\$\$)
- Really Understanding EMI
- Info Hardening